



Bilateral Project Agreement A-PA-222-0098 with the Netherlands for Infantry Warrior Toolkit Enhancement

General Description:

This Bilateral Project Agreement was officially signed by the US on 30 July 2004 and will allow the US and the Netherlands to continue the productive relationship started within the NATO Working Group of Experts 4 (WGE4) on Assessment and Modeling of Soldier System Performance. WGE4 produced a comprehensive evaluation of NATO requirements of, and models appropriate for, dismounted warrior operations analysis, an improved STANAG (Standardization Agreement) on Urban Zones, and a review of Bone and Tissue simulants necessary for casualty assessment and simulation. This Agreement covers a 7-year period and will build upon the WGE4 assessment results.

Objective:

The objective of this Project Agreement is to collaborate in the development of modeling, simulation, and assessment technologies to enhance Combined Arms Dismounted Combatant operations.

Major Tasks:

To accomplish this objective, the following tasks will be performed: 1) Define metrics for Combined Arms Dismounted Operational analyses, 2) Develop operational use cases, 3) Conduct laboratory and field experiments, 4) Develop algorithms and software modules for the Soldier Domains (based on results from experiments/field trials), 5) Develop standardized operational analysis procedures, 6) Integrate these algorithms and associated software into the Infantry Warrior Simulation (IWARS), 7) Verify and Validate IWARS, and 8) Document results in interim and final reports.

Facts:

Netherlands' experts, after carefully reviewing alternative models, have endorsed IWARS as the preferred analytical tool for evaluating combined arms dismounted warfighter operations, capabilities, and requirements.

Meetings between NL and US representatives are held semi-annually. During 2003 and 2004 "background Information" sessions were conducted and included: sharing and critiquing data collection plans and analyses; preparing and publishing joint technical papers, performing Verification and Validation studies of leading dismounted combatant small unit simulations, critiquing IWARS planned functions and identifying specific collaborative efforts.

On 23-27 May 2005, a workshop was held at the US Army's Natick Soldier Center to examine issues and metrics related to modeling non-traditional methods of warfare. Participants included operational analysts and individuals with military backgrounds. Several types of Sustainment and Support operations were enumerated using a model that incorporated commander's intent, tasks, results and effects. Workshop minutes and results will be published.

The next scheduled meeting will be in October 2005 in the Netherlands. This meeting will build upon the May 2005 workshop results.

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Rev 7-12-05
PAO 05-134